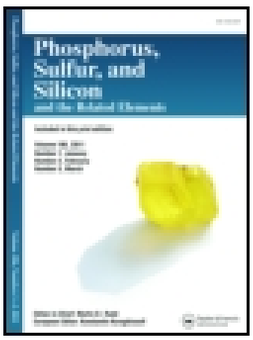

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Synthesis and Crystal Structure of Some Derivatives of 1-Oxa-2-phosphatriphenylene--The New Heterocycle Containing Phosphorus

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SYNTHESIS AND CRYSTAL STRUCTURE OF SOME DERIVATIVES OF 1-OXA-2-PHOSPHATRIPHENYLENE—THE NEW HETEROCYCLE CONTAINING PHOSPHORUS

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Phenanthrenequinone reacts with phenylacetylene and PCl_3 to form 2,7-dichloro-2-oxo-4-phenyl-l-oxa-2-phosphatriphenylene. Several 1-oxa-2-phosphatriphenylene derivatives **2**,**3** could be synthesized employing substituted phenanthrenequinones and PBr_3 as precursors. The corresponding morpholides **1**,**3** were examined by the single crystal x-ray diffraction (see Figures 1 and 2).

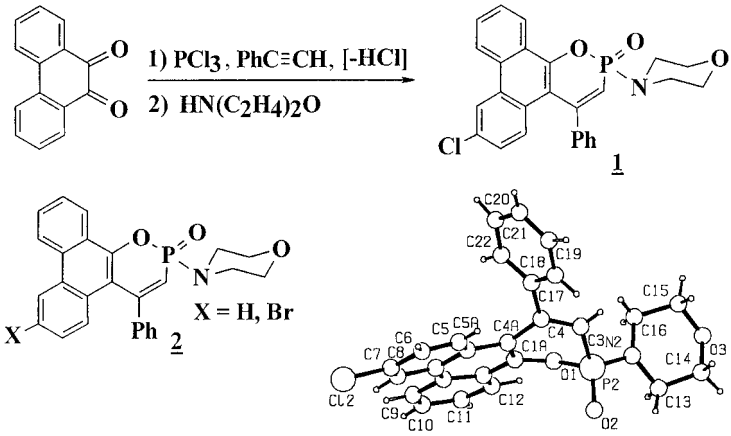

FIGURE 1

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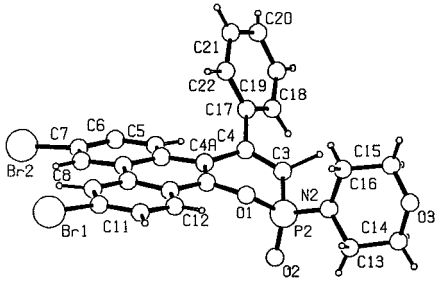

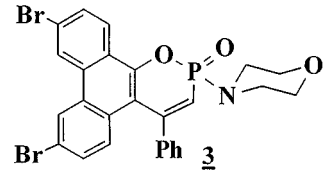

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FIGURE 2